

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5000-OD18 (1974): Dimensions of Semiconductor Devices,  
Device Outline OD18 [LITD 5: Semiconductor and Other  
Electronic Components and Devices]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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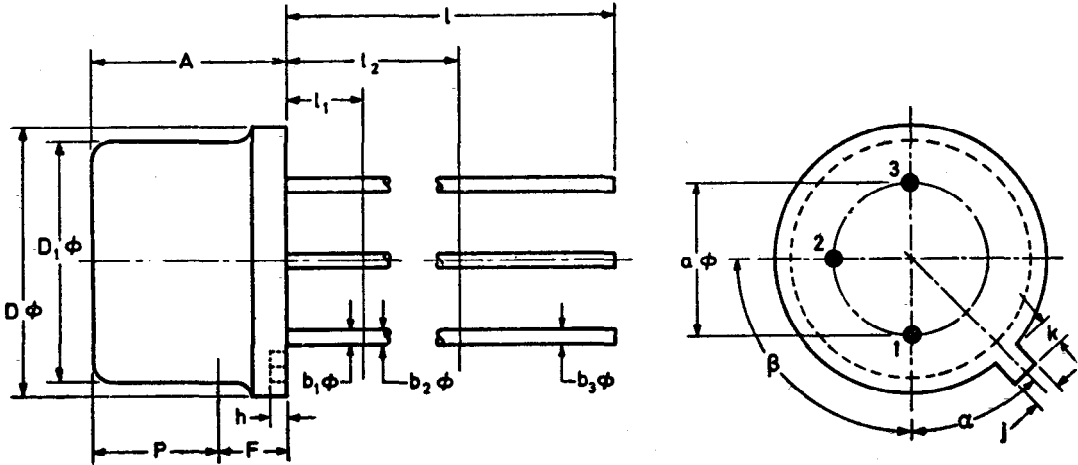


Indian Standard

DIMENSIONS OF SEMICONDUCTOR DEVICES  
DEVICE OUTLINE OD18

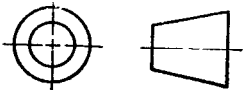
1. Dimensions

**Note** — This drawing has been prepared in accordance with IS : 5001 (Part I)-1969 'Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part I Semiconductor devices' and IS : 5001 (Part II)-1973 'Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part II Integrated circuits'.



Reference	Millimetres			Degrees	Note
	Min	Nom	Max		
A	6.10	—	6.60	—	—
a	—	5.08	—	—	1
b <sub>1</sub>	—	—	1.01	—	—
b <sub>2</sub>	0.407	—	0.508	—	—
b <sub>3</sub>	—	—	0.53	—	—
D	8.64	—	9.39	—	—
D <sub>1</sub>	8.01	—	8.50	—	3
F	See page 2			—	2
h	0.15	—	1.0	—	—
i	0.712	0.787	0.863	—	—
k	0.74	—	1.14	—	4
l	See page 2			—	—
l <sub>1</sub>	—	—	1.27	—	—
l <sub>2</sub>	6.35	—	—	—	—
P	2.54	—	—	—	5
α	—	—	—	45*	—
ρ	—	—	—	90	—

\*True geometrical position.



Adopted 15 July 1974

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Gr 1

Reference	Type A			Type B			Note
	Min	Nom	Max	Min	Nom	Max	
<i>F</i>	—	—	2.03 mm	—	—	3.18 mm	—
	38.1 mm	—	—	7.7 mm	—	15.2 mm	—

**Note 1** — The cross section of each terminal at a distance of  $l_1$ , *Max* from the seating plane lies in a circle having a diameter of 0.99 mm centred at the geometrical position defining the terminal axis at its point of exit.

**Note 2** — Details of outline in this zone is optional.

**Note 3** — The maximum diameter of the zone shall not be greater than that of the controlled cylindrical zone *P*.

**Note 4** — This dimension is measured from the actual diameter of the device.

**Note 5** — *Controlled Cylindrical Zone P* — This zone is controlled for automatic handling. The variation of the actual diameter within this zone shall not exceed 0.25 mm.

**Note 6** — See also IS : 5000(OB1)-1969 'Dimensions of semiconductor devices : Base outline 1' and IS : 5000(OC1)-1969 'Dimensions of semiconductor devices : Case outline 1'.

**2. Rules for Coding** — See 8.1 of IS : 5001(Part I)-1969.

**3. Equivalent Designation to be Followed by Other Countries and Organizations**

Country or Organization	Designation Code	
	Type A	Type B
India	OD18A	OD18B
IEC	—	—
USA	To-5	To-39